(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCI')

(19) World Intellectual Property Organization International Bureau



. I II II 18 AUDUU I IRAKU II IK TON COMBINI IN DEKNIYID OKNAAN AUKUUTI OUUK IKA KUK

(43) International Publication Date 1 April 2004 (01.04,2004)

PCT

(10) International Publication Number WO 2004/026597 A1

(51) International Patent Classification7:

B60C 23/20

(21) International Application Number:

PCT/EP2002/010622

(22) International Filing Date:

20 September 2002 (20.09.2002)

(25) Filing Language:

English

(26) Publication Language:

English

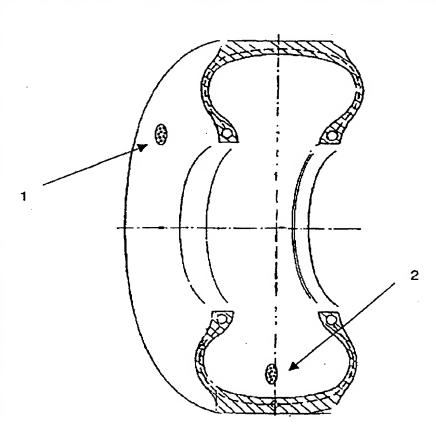
- (71) Applicant (for all designated States except US): PIRELLI PNEUMATICI S.P.A. [IT/IT]; Viale Sarca, 222, 1-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CARRUS, Antonio [IT/IT]; Via Gramsci, 25, I-20032 Cormano (IT). CIPRIANI, Chiara [IT/IT]; Via Butti, 4, I-21100 Varese (ΓΓ). ZAOPO, Antonio [IT/IT]; Via Ciceri Visconti,

10, I-20137 Milano (IT). FIORAVANTI, Anna, Paola [IT/IT]; Via Nino Bixio, 1, I-20052 Monza (IT). STUC-CHI, Gloria [IT/IT]; Via Liguria, 11, I-20040 Bellusco (IT).

- (74) Agents: GIANNESI, Pier, Giovanni et al.; Pirelli S.p.A., Viale Sarca, 222, I-20126 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SJ, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, JT, LU, MC, NL, PT, SE, SK,

[Continued on next page]

(54) Title: PNEUMATIC TYRE COMPRISING AN INDICATOR OF EXCESS TEMPERATURE REACHED DURING USE



(57) Abstract: Pneumatic tyre comprising temperature indicator/s including a reactive substance having a threshold temperature and a dye substance having a characteristic peak in its absorption or emission spectrum. When an excess temperature in reached in the tyre the reactive substance is heated above the threshold temperature and reacts with the dye substance so as to modify its characteristic peak.

WO 2004/026597 A1 III